

## Chlorinated Solvents End-Use Guidelines

Methylene Chloride and Perchloroethylene

Please use this Technical Data Sheet (TDS) in conjunction with this product's country-specific Safety Data Sheet (SDS) and the Safe Use conditions as described therein. Current Safety Data Sheets can be requested from Olin at [info@olin.com](mailto:info@olin.com).

### Safety Guidelines And Practices

**Always review how you plan to use chlorinated solvents before choosing one for your application.** Olin recommends that you use the following end-use guidelines as part of the process of evaluating applications for chlorinated solvents. From a general product stewardship standpoint, Olin does not support applications in which:

- Soil or groundwater contamination is likely (direct application to the ground, sink drains, sewers or septic tanks)
- Overexposure is likely (small rooms or confined spaces where inadequate ventilation exists and no adequate personal protective equipment is available and in use)
- Skin contact is likely (such as removing adhesive tape from the skin, or as a hand cleaner to remove oils and greases)
- There is direct contact with food
- Vapor concentrations are used in the flammable range without appropriate control equipment
- Disposal of waste would pose an environmental or health risk
- Chemical reactivity poses a danger (contact with strong alkali or in areas where welding is done)
- An application would violate any applicable regulations

### Product Stewardship

Olin is continuously reviewing the applications in which chlorinated solvents are used. Always consult the appropriate Safety Data Sheet (SDS) or contact Olin to make sure you have the appropriate chlorinated solvent for your application. Methylene chloride and perchloroethylene can be used safely in many applications. Exposure can be controlled adequately through proper ventilation, engineering controls, work practices and personal protective equipment (PPE). Review each application carefully to ensure exposure is below established limits.

At Olin, our Product Stewardship program is guided by our core values – Act with Integrity, Drive Innovation and Improvement, and Lift Olin People. We are committed to the safe handling and use of our products – and enabling all of our collaborators throughout the value chain to do the same. As a responsible corporate citizen and certified to RC14001®:2015, we assess our products' safety, health, and environmental information and take appropriate steps to protect employees, public health, and the environment. Ultimately, our product stewardship program's success rests with each individual involved with Olin products – from the initial concept and research to the manufacture, sale, distribution, use, disposal, and recycling of each product.

**Sensitive Uses:  
Tobacco  
Products**

Olin will not knowingly sell or sample any product or service ("Product") into any commercial or developmental application that is intended for the tobacco industry, directly or indirectly, for use in the production of tobacco, the manufacture of tobacco products, manufacture of electronic cigarettes and similar devices (i.e., electronic nicotine delivery systems (ENDS)), or the manufacture of marijuana products intended for human consumption.

Olin prohibits the use of its products in the synthesis or the final formulation of illegal drugs.

Exemptions:

- Olin products used in tobacco product packaging that is not intended for human consumption. As long as the packaging is not consumed as part of the product use.
- Insecticides and Pesticides whose active ingredients have been registered for use in the production of tobacco or marijuana by the local authority, if required, and one of the following regulatory authorities in the United States, the European Union, the United Kingdom, Germany, France, Spain, Italy, Japan, Australia, or Canada.
- Products used for general industrial purposes that are not intended to come into contact with the tobacco products.

**Sensitive  
Uses: Medical  
and Pharma  
Applications**

Olin will not knowingly sell or sample any product or service ("Product") into any commercial or developmental application that is intended for:

- a. Permanent or long-term contact with internal body fluids or internal body tissues. Long term is a use which exceeds 72 continuous hours,
- b. Use in cardiac prosthetic devices regardless of the length of time involved (cardiac prosthetic devices include, but are not limited to, pacemaker leads and devices, artificial hearts, heart valves, intra-aortic balloons and control systems and ventricular bypass assisted devices);
- c. Use as a critical component in medical devices that support or sustain human life; or
- d. Use specifically by pregnant women or in applications designed specifically to promote or interfere with human reproduction.

**All Products intended for use in pharmaceutical applications must pass the then current Pharmaceutical Liability Guidelines and requires written approval by Olin.** Pharmaceutical applications are defined as the provision of a medicinal substance or a drug other than a nutrient with the intent to bypass or to alter or restore normal in vivo synthesis, metabolic or physiologic state.

Olin does not endorse or claim suitability of its products for specific medical applications. It is the responsibility of the medical device or pharmaceutical manufacturer to determine that the Olin product is safe, lawful, and technically suitable for the intended use.

**Olin makes no warranties, express or implied, concerning the suitability of any Olin product for use in medical applications.**

**Sensitive Uses:  
Products/Articles  
Intended for Use  
by Individuals of  
Sensitive  
Populations**

Olin makes no warranties, express or implied, concerning the suitability of any Olin products to be used to produce consumer products or articles intended for use by individuals of sensitive populations such as children, the elderly, or are likely to come in regular close contact with children, childcare settings, or the elderly.

**Regulatory  
Datasheets (RDS)**

Olin provides information on the status of its products under prominent regulatory programs and about non-approved uses in our Regulatory Datasheets (RDS) which can be requested from Olin at [info@olin.com](mailto:info@olin.com).

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